



NOAA Restoration Center

Sulphur Creek Stream Restoration

Project Description

Harold Smith & Sons Inc. in partnership with the NOAA Community-based Restoration Program, Acorn Soupe, and community volunteers will restore fish passage and fisheries habitat for steelhead on Sulphur Creek in St. Helena, California. Harold & Sons, Inc. will remove a low flow concrete road crossing, install a railcar bridge, and restore 900 ft of steelhead habitat along Sulphur Creek. Acorn Soupe will develop science-based curriculum to educate elementary students in fisheries science and will engage students in planting and monitoring.

Project Nickname Sulphur Creek - NOAA RC NA03NMF4630306
Location St. Helena, Napa County, CA, 94574 SWR
Program Community-based Restoration **Congressional District** CA 1
Lat, Long Coordinates -122.4671, 38.4982 **Land Ownership** Private
Implementation Start Date 01-OCT-03 **Implementation End Date**
River Basin HUC
Geographic Identifier USGS Topo Quad
Project Status Implementation Stage **Project Type** Restoration
Project Status Description The fish passage portion of the project was completed by 10/30/2003. The riparian plantings are expected to be completed in the winter and spring of 2004.

Landmark

Number of Volunteers

Volunteer Hours

Volunteer Description

Proposed Project?

Project Closed? N

FY Completed

Habitat Information

Type	Acres Created	Acres Re-established	Acres Rehabilitated	Acres Enhanced	Acres Protected	Stream Miles	# Plants/ Animals
stream/river channel						4	

Species Information

Commonname	Genus	Species	Population Name	NMFS Status	Species Type
Trout, steelhead	<i>Oncorhynchus</i>	<i>mykiss</i>	Central California Coast	Threatened	animal

Partners

Acorn Soupe

Restoration Techniques

riparian planting
culvert modification

Contacts

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NOAA Involvement

source of funding

Monitoring Information

Characteristic **Type**
Additional Info

Funding Information

Funding Mechanism	FY Awarded	NOAA Contribution	Partnership Contribution	Total Partnership Contribution
NOAA Restoration Center	2003	\$75,000	\$0	\$75,000
TOTALS		\$75,000	\$0	\$75,000

Other Non-Federal \$ **Other Federal \$** **Total Project Cost**

Funding Recipient Harold Smith and Sons, Inc.

Funding Comments***Project Abstract***

The NOAA Community-based Restoration Program awarded funds for the Sulphur Creek Stream Restoration Project to Harold Smith & Sons Inc. This project will improve upstream fish passage for threatened Central California Coast Steelhead, and will also improve in-stream and riparian habitat for approximately 900 feet upstream of the crossing. Sulphur Creek is located in the City of St. Helena, California, and drains into the Napa River and then into northern San Francisco Bay. The fish passage portion of this project, completed in the fall of 2003, improved flow velocities and stream grades for migrating steelhead by removing a concrete, low-flow, road crossing. The riparian habitat improvements, expected to be completed in the winter and spring of 2004, will include planting of native trees and shrubs along 900 feet of streambank. This planting will help to stabilize the stream bank and will provide shade, protective cover, and nutrients for improved wildlife and fisheries habitat. Harold Smith & Sons intends to actively monitor the biological and physical conditions of the project for 3-5 years. Other project partners will include community volunteers, Acorn Soup, the California Department of Fish and Game, and the Natural Resources Conservation Service. Acorn Soupe will develop science-based curriculum to educate elementary students in fisheries science and will engage students in planting and monitoring. Other education efforts will include ongoing outreach via press releases for print, radio, and public speaking events as well as inviting elected officials to visit the site.